

PATENT

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## Conveyance Type

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- ☐ Departmental File ☐ Secret File

## Conveying Party(ies)

- ☐ Mark if additional names of conveying parties attached

Name  Telecom Technologies, Inc.Execution Date  
Month Day Year

5/16/05

Name Name Name Name Name 

## Receiving Party

- ☐ Mark if additional names of receiving parties attached

Name (line 1)  Sonus Networks, Inc.Name (line 2) Address (line 1)  250 Apollo DriveAddress (line 2) Address (line 3)  Chelmsford MA 01824

City

State/Country

Zip Code

- ☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment)

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Name Address (line 1) Address (line 2) Address (line 3) Address (line 4) 

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## Correspondent Name and Address

Area Code and Telephone Number (617) 526-9600

Name Patent Administrator

Address (line 1) Proskauer Rose LLP

Address (line 2) One International Place

Address (line 3) 14<sup>th</sup> Floor

Address (line 4) Boston, MA 02110-2600

Pages Enter the total number of pages of the attached conveyance document including any attachments.

3

## Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

## Patent Application Number(s)

## Patent Number(s)

09/821,507

6,775,269

09/821,509

09/821,508

09/538,040

## Patent Cooperation Treaty (PCT)

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

PCT

PCT

PCT

PCT

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PCT

## Number of Properties

Enter the total number of properties involved.

# 1

## Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 200.00

Method of Payment:

Enclosed ☐Deposit Account ☒

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account)

Deposit Account Number

# 50-3081

Authorization to charge additional fees:

Yes ☒ No ☐

## Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

David Miranda, Reg. No.: 42,898

Name of Person Signing

Signature

Date

Mail documents to be recorded with required cover sheet(s) information to:

Mail Stop Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450

Assignment - TTI, Inc. to Sonus Networks, Inc.  
Page 1 of 3

### ASSIGNMENT

WHEREAS, Telecom Technologies, Inc. (hereinafter "ASSIGNOR"), a corporation organized and existing under the laws of the state of Texas and having a usual place of business at 1701 N. Collins Blvd., Richardson, Texas 75080, owns and has legal title to one or more inventions described in an application (or provisional application) for Letters Patent of the United States identified in attached Schedule A; and

WHEREAS, Sonus Networks, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the state of Delaware and having a usual place of business at 250 Apollo Drive, Chelmsford, MA 01824, desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR HAS sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with ASSIGNOR'S entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest ASSIGNOR may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made; ASSIGNOR hereby conveys all of ASSIGNOR'S rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. ASSIGNOR hereby acknowledges that this assignment, being of ASSIGNOR'S entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of ASSIGNOR'S entire right, title and interest therein;

AND, ASSIGNOR hereby further agrees for ASSIGNOR and ASSIGNOR'S executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications;

Assignment - TTI, Inc. to Sonus Networks, Inc.  
Page 2 of 3

AND, ASSIGNOR hereby further agrees to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, ASSIGNOR hereby authorizes ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on the date of ASSIGNOR'S execution of this assignment;

AND, ASSIGNOR hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

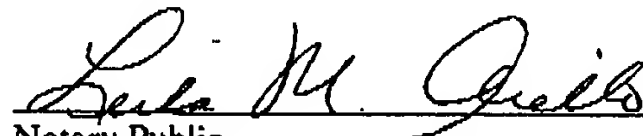
**IN TESTIMONY WHEREOF**, ASSIGNOR has set ASSIGNOR'S seal on the date set forth below.

Assignor's Authorized Agent:

  
Charles J. Gray  
Secretary, Telecom Technologies, Inc.

State/Commonwealth of Mass. )  
County of Middlesex ) ss

On this 16 day of May, 2005, before me, the undersigned notary public, personally appeared Charles J. Gray proved to me through satisfactory evidence of identification, which were US Passport, to be the person whose name is signed on the preceding or attached document in my presence.

  
Notary Public  
My Commission Expires: Jan 19, 2012

LEILA M. AIELLO  
NOTARY PUBLIC  
My commission expires Jan. 19, 2012

Assignment - TTI, Inc. to Sonus Networks, Inc.  
Page 3 of 3

### Schedule A

<u>Title</u>	<u>Application No./ Patent No.</u>	<u>Filing Date/ Issue Date</u>	<u>First Named Inventor</u>	<u>Recordation Information of ASSIGNOR'S ownership interest</u>
Intelligence Engine	09/821,507	03/29/2001	Kaczmarczyk	Recorded 03/29/2001 on: Reel No. 011672 Frame No. 0608
Method and System for Inhibiting Softswitch Overload	09/821,509	03/29/2001	Lu	Recorded 03/29/2001 on: Reel No. 011672 Frame No. 0593
Method and System to Internetwork Wireless Telecommunication Networks	09/821,508	03/29/2001	Kaczmarczyk	Recorded 03/29/2001 on: Reel No. 011672 Frame No. 0614
Method and System to Internetwork Telecommunication Networks of Different Protocols	09/538,040	03/29/2000	Kaczmarczyk	Recorded 07/06/2000 on: Reel No. 010891 Frame No. 0138
Method and System For Routing Telephone Calls Between a PSTN and an IP Network	6,775,269	08/10/2004	Kaczmarczyk	Recorded 07/06/2000 on: Reel No. 010891 Frame No. 0184